

Cracklin' Static

February 2020 Edition



**Breakfast Meeting: Sat,
February 1, 2020** Boomtown Ca-
sino Hotel
Events Center
I-80 at Exit 4 in Verdi

Breakfast Buffet – 7:30am - \$12
General Meeting – 8:00am

SNARS NET on DMR – Tuesday 8pm
DMR Talk Group: 31328 SNARS

**SNARS Treasury Jan 26 Closing Balanc-
es**

ACCOUNT

Operating	\$6,034
Savings	\$9,387
Self Insurance	\$7,038
PayPal	\$1,234
Convention	\$4,295

Total **\$27,987**

SNARS Membership as of 1-26-20

Extra	132	35%
Technician	116	31%
General	111	29%
Advanced	14	4%
No License	0	0%
License Expired	2	1%
Novice	1	0%
Total	377	

SNARS ARRL Members

Regular	217	58%
Life	37	10%
TOTAL	254	68%

President's Voice

President John Byerly, N7ROJ

Email: mtnlion@gmail.com



Hello everyone!

We held the yearly organiza-
tional board meeting, where
I was nominated and elected
for another year as the Presi-
dent of SNARS. I am excited
to have another year at the
helm serving the club and it's
members.

The only change to the exec-
utive committee is that I
have selected John Miller

N7JDM as the Vice President, and have thanked Jim Shepherd
W6US for being my Vice President last year and all the help and
advice he has provided.

Jim is still a welcome member of the board and will be able to
concentrate on other things, NVQSO party, Field Day, NVCON,
and all the contesting he enjoys!

Barry K6ST, and John N7JDM are co-chairs working hard to set
up our SNARS Member Appreciation BBQ/Picnic on Saturday
May 30th at Bartley's Ranch Park. Stay tuned for more infor-
mation to come.

We are also looking into bringing back the Spring Ham Swap
meet. More info to follow as we iron out the details.

See you at the meeting!

John/N7ROJ



PO BOX 7727 Reno NV 89510
Yearly Dues: \$40.00 Individual • \$50.00 Family
775.453.4142 <http://snars.org>

2020 Officers

President.....John Byerly, N7ROJ
Vice-President.....John Miller N7JDM
Treasurer.....Bill Jones, AE7OX
Secretary.....Anthony Marcin, W7XM
DirectorWes Vick, KG7QXE
DirectorJim Shepherd, W6US
DirectorBarry Bettman, K6ST

2020 Staff

Cracklin StaticHowie Holden, WB2AWQ
W7TA TrusteePeter DeBay, KE7VSR
KR7ENO Trustee.....Howie Holden, WB2AWQ
Control OperatorPat Sheehan, W7DED
Youth Involvement.....Barry Bettman K6ST
NVQSO Coordinator.....Jim Shepherd, W6US
HistorianJon Fox, KF7KTC
Tech Team LeadPat Sheehan, W7DED
MembershipKim Farnham, KG7TMA
PIOGreg Krantz, NT7Q
VE Coordinator.....Bill Nichols, NN7K
Meeting GreeterBill Jones, AE7OX
Noon Net ManagerWes Vick, KG7QXE
DMR Net ManagerAnthony Marcin, W7XM
Reno Ham SwapVacant
WebmasterErik Andreasen, K6CZH
Club Sales Manager.....Julie Dodge, N7JWL
Recording Secretary.....Doug Edmondo, W7DBE

Cracklin Static Publication

Editor: Howie Holden WB2AWQ - holden7471@msn.com

Cracklin' Static is the Newsletter of, and sponsored by the Sierra Nevada Amateur Radio Society. Published the week before meetings. Opinions expressed herein are those of the editors and contributors and should not be considered as official expressions of the Club Officers, Staff or Club Members, or as endorsements by same.

Material for publication may be edited to enhance readability or to save space. We reserve the right to use whatever font size, line spacing or other tools as may be required to publish this Newsletter. **Deadline for input to the newsletter is 1500 hours on the Sunday** prior to the 1st Saturday of each month.

SNARS Wide Area Linked System

147.030 + PL 123.0	Sparks, Fernley, Fallon	Online
147.210 + PL 100.0	Reno, Sparks	Online
147.150 + PL 123.0	Lake Tahoe, Truckee, Carson	Online
146.925 -?L 123.0	Lovelock, Fallon	Online
146.670 -?L 123.0	Winnemucca	Online
444.875 + PL 100.0	Yerington	Online
444.125 + PL 123.0	Reno Sparks	Offline

DMR Systems

444.925 + CC 1	Reno, Sparks	Online
444.825 + CC 1	Dayton, Fallon, Carson	Online
443.925 + CC 1	Lake Tahoe, Truckee, Carson	Online
443.950 + CC 1	Incline Village	Online
442.875 + CC 1	Sparks, Fernley, Fallon	Online
442.850 + CC 1	Downtown Reno	Online
441.950 + CC 1	Fallon, Fernley	Offline

Fusion Systems

146.610 - PL 123.0	Reno, Carson, Dayton	Online
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IRLP / EchoLink Systems

147.300 + PL 123.0	Reno, Sparks	Online
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Packet / APRS

145.050 - RNO	Reno, Carson, Dayton	Online
145.050 - ROSE	Lake Tahoe, Truckee, Carson	Online
144.390 - TOULON	Lovelock, Fallon	Online

Standalone Systems

147.390 + PL 100.0	Reno, Carson, Dayton	Online
443.075 + PL 123.0	Reno, Carson, Dayton	Online
927.0875 + PL 114.8	Reno, Carson, Dayton	Online



Online



Offline



Not Linked

Thank you to our Sponsors/Supporters



Weekday on the SNARS Linked System

147.030 + PL 123 – Sparks/Fernley
 147.150 + PL123.0 – Lake Tahoe / Truckee
 147.210 + PL 100.0 - Reno
 444.875 + PL 100.0 - Yerington
 146.925 - 123.0 – Lovelock / Fallon
 146.67 – PL 123.0 - Winnemucca

Monday through Friday @ 12:00pm

Open to all amateur radio operators. A general informational net for the amateur radio community of Northern Nevada and Eastern California. Radio Checks and Questions are welcomed.

Nets on the SNARS Linked Systems

147.210 + 100.0 | 147.030 + 123.0 | 147.150 + 123.0
 147.670 – 123.0 | 146.925 – 123.0 | 444.875 + 100.0

ERC Net for NV and Northern CA	Monday @ 9:15pm
N. Western NV ARES Net	Thursday at 7:30pm
Northern Nevada Preppers Net	Wednesday @ 8:00PM
Hospital Net	Friday @ 10:00AM

Nets on IRLP (GSR) System

Repeater: 147.300 + 123.0

Amateur Radio Newline	Monday - 8:00PM
Nevada Skywarn Net	Wednesday - 7:00pm
Nevada State ARES Net	Thursday - 7:00PM

Nets on Simplex/HF

Jefferson Noon Net	7.204 LSB	Daily - 12:00pm
6 Meter Net	50.350 USB	Tuesday – 8:00pm
2 Meter Week Signal	144.250 USB	Wednesday - 8:00PM
2 Meter Simplex Net	146.500 FM	Thursday – 8:00PM
10 Meter Net	28.350 USB	Sunday – 2:00PM

SNARS Weekly DMR Net – Tuesdays
8:00PM

SNARS Talk Group 31328

Open to Members and Guests. A general information net each week on DMR.

SNARS CALENDAR

Ham Radio Night at the REOC Wednesday, February 5, 6 PM Washoe REOC 5195 Spectrum Blvd, Reno NV

SNARS Board Meeting Wednesday February 12, Chin-Chin 222 Los Altos Pkwy, Sparks NV

One Day Ham Review and Exam Saturday, February 15, 8 AM SHARP!!! Washoe REOC 5195 Spectrum Blvd, Reno NV Visit <https://snars.org/oneday/> for details

Next SNARS Breakfast Meeting – Saturday March 7, 8 AM Boomtown Casino Hotel Events Center I-80 at Exit 4, Verdi

WELCOME NEW MEMBERS

January 2020

Dave	Hendricks	W7DDY
George	Wood	K6GMW
Jennifer	Kennedy	KJ6CUE
Duncan	Kennedy	KJ6CUI
Alan	Davis	KJ7AD
Bruce	King	KJ7BMT
James	Ritchie	K77JCR
Patrick	Scott	WX4RES
Ned	Zoller	N6RDX
Lawrence	McGrail	KM6UTP

THE NAME OF THE GAME

Jim Shepherd, W6US??vjims@gmail.com

HAMFESTS

We are coming up on the Spring Hamfest season! Hamfests, which may be known by many other names, are gatherings of hams and other interested persons for the exchange of knowledge, camaraderie, and traditions related to Amateur Radio. They are usually regional to international in scope and draw hundreds to thousands of hams to these events.

The granddaddy of Hamfests is the Dayton Hamvention held annually in May in the Dayton, Ohio area. Last year their attendance was over 32,000 during the 3 day event. There were over 60 technical sessions and forums, over 220 vendors, several hundred flea market booths and dozens of food vendors. In addition, there were a number of other events in the Dayton area including themed dinners, Contest University, and even tours of the Dayton Amateur Radio Association's huge clubhouse and antenna farm... This year, it will be held on May 15-17. Every ham should attend this huge Hamfest at least once. I had the opportunity to be one of the 800 volunteers last year helping to run this event. For more information, visit their website, <https://hamvention.org/>

Almost as big is the Orlando HamCation which will be held February 7-9 in (hopefully) sunny Florida. This could be a good one for the whole family as the junior ops and non-ham spouses could go to the couple of other major attractions in the area. Their website is <https://www.hamcation.com/> There are a number of other big Hamfests 'back east' throughout the year.

We have a number of very good Hamfests here in the west. The first one on the calendar is the Yuma Hamfest/Southwestern Division Convention. It will be February 14-15 this year at the Yuma, Arizona fairgrounds. The weather is usually warm and a nice change from the cold. There are plenty of technical sessions, a big flea market, a good group of vendors, and a number of food trucks to keep you fed during the day. Saturday night's BBQ dinner for only \$10 is a must! There are only 450 tickets for that meal and they are on a first come basis at the event. After dinner, there is a huge raffle drawing for lots of big ticket ham gear. Admission is only \$5 cash at the gate. There is camping available on site and that can be combined with a flea market site. For more info, go to <http://www.yumahamfest.org/> One additional item, this site is close to the Marine Base, and during the day there is an almost continuous 'Air Show' with military aircraft landing and taking off.

A little different Hamfest is the Visalia International DX Convention. This year it will be April 24-26. This is the biggest convention for those interested in DX operations. It is a chance to

meet some of the operators from foreign lands and some of the "big gun" contesters. There are very good technical presentations, lots of stories about DXpeditions to remote areas, a nice vendor area for the 'good stuff', and a lot of opportunity to meet up with old friends and contacts. This convention does not have a flea market, but the 'attitude adjustment' hours and Friday night breakout dinners are excellent. The Southern California DX Club is running the show this year and the website is www.dxconvention.org/

SEAPAC is the Northwest Division Convention and Hamfest. Located in Seaside, Oregon, it will be June 5, 6, and 7 this year. Preregistration is available for \$10 or it is \$15 at the door. One of the very nice features is the indoor flea market which is necessary as the Oregon Coast is one of the rainiest areas in the country. There are lots of good presentations and a large vendor area. It always has a large turnout, and most of the attendees stay there in Seaside so the party continues before and after the convention hours. Their website is <https://www.seapac.org/>

Our Divisional Convention is Pacifcon held in San Ramon, California. This year it will be October 16-18 at the Marriott, the same location as the last couple of years. We usually have a good number of hams from this area attend, and SNARS has a booth in the club area. There are lots of vendors, a crack-of-dawn flea market, and a good program of forums. They will start updating their website shortly with all of the information for this year, and you can see it at <http://www.pacifcon.org/>

The Rocky Mountain Division Convention is August 7-9 and it will be in Parker, Colorado this year which is just south of Denver. Further details are not available at this time. The Utah Valley Hamfest State Convention will be May 8-9 in Orem, Utah. See <https://utahvalleyhamfest.com/> for more information

This year we will not have NVCON as we are taking the year off to reorganize. We are going to put together an executive team to oversee the convention for 2021. We are looking for members who have attended at least 3 other Hamfests in the last 5 years so that we will have a team with the experience to put together a topnotch show like these other events. We will also need lots of help in the various areas of the operation just before and during the event.

Besides these big events, there are smaller events like flea markets and seminars that can also be fun to attend. QST, CQ, and other ham radio websites can be a good source to find these events.

SNARS LOGO ITEMS

This year we are celebrating our 50th year by providing many ways to commemorate this occasion by imprinted our 50th



Stickers \$1.00 Each



16oz Coffee Mugs \$8.00



Hats \$10.00



Club Badge \$15.00

Order at
<http://snars.org/store/badge-order>

Items are available at the monthly meetings, events or online (coming soon) <http://snars.org/store>

MIKE'S MISSIVES CHAPTER FORTY EIGHT

Mike Katz, N7MSK

Mike's Missives will return next month. In the meantime, I've filled in for him. Herewith:

SAVE THE DATES!

Mark these 2020 dates on your calendars NOW, so you can't say "I didn't know...."

7QP The 7th Call Area QSO Party: **May 2 1300Z to May 3, 0700Z**
<http://www.ws7n.net/7QP/new/Page.asp?content=about7QP>

SNARS Picnic May 30 Bartley Ranch (Details coming later, stay tuned!
<https://snars.org/home/> (details will appear here)

Field Day ARRL Field Day, the biggest event on the ham events calendar, **June 27 1800Z to June 28 2059Z**
<http://www.arrl.org/field-day>

NVQSO The Nevada QSO Party, sponsored by SNARS, takes place **October 10 0300Z, to Oct 11 2100Z**
<http://nvqso.com/> (website not yet updated)

NAME THAT RIG

(Answers on page 8)

OK so there's six.....Can you name, first what type of equipment they are, second, the manufacturers, and third the model numbers? Hint: back in the day, every Novice couldn't wait till he or she could use one!



W7SSB's FUN STUFF



Radio Adventures with Richard

What's in this newsletter

- A roundup of our latest YouTube videos
- Magnetic Loop antennas - any good? (Video)
- HF Portable Tips - putting up an endfed antenna (Video)
- Fighting 2m interference (Video)
- Do bears sit in the woods - and how? (Video)
- Make your own multi-band HF antenna (Video)

Dealer listing

Our YouTube channel has really taken off. It's a great way for me to show you why I like portable operating. I have been including a mix of videos; some look at particular issues such as [interference on VHF](#) while others look as [ways to be more comfortable in the field](#). Recent instructional videos have included [how to erect an endfed antenna](#) and [how to make an efficient portable HF antenna](#).

This mix seems to have encourages folks to subscribe to catch the latest content. The video channel is very much "viewer led" so join in to suggest videos that you would like to see. **Please [do consider subscribing](#) and selecting the notification option as it will encourage me to make more videos!**

Coming up: a review of the SW-3B HF transceiver and a video on testing antennas in the field - plus much more. I am also look

ing at streaming live content from the field. Expect more adventures each week.

(Copy the links below to view the videos)



https://www.youtube.com/watch?v=F7EHG-5Nzwk&feature=youtu.be&utm_source=SOTABeams+Newsletter&utm_campaign=9e043f2494-SB-Jan-2020&utm_medium=email&utm_term=0_4298909b23-9e043f2494-526132393&ct=t%28SB-Jan-2020%29&mc_cid=9e043f2494&mc_eid=b989ea9e3f



https://www.youtube.com/watch?v=frHCTf-3PJ4&feature=youtu.be&list=PLGRwyLI6zUmpGjYEBhnj3evJ8Bnc_eOW-&utm_source=SOTABeams+Newsletter&utm_campaign=9e043f2494-SB-Jan-2020&utm_medium=email&utm_term=0_4298909b23-9e043f2494-526132393&ct=t%28SB-Jan-2020%29&mc_cid=9e043f2494&mc_eid=b989ea9e3f



https://www.youtube.com/watch?v=FTjlym2KJko&feature=youtu.be&utm_source=SOTABeams+Newsletter&utm_campaign=9e043f2494-SB-Jan-2020&utm_medium=email&utm_term=0_4298909b23-9e043f2494-526132393&ct=t%28SB-Jan-2020%29&mc_cid=9e043f2494&mc_eid=b989ea9e3f

Continued on page 10.....)

FUN STUFF FOR FEBRUARY

Contests for February. Some of the better February contests are listed below. Those in **BOLD** are ARRL or NCJ sponsored, and may qualify for the Gavel Award. See <http://www.arrl.org/files/file/Contest%20Corral/2020/February%202020%20Corral.pdf> for a complete list of contests.

1 Feb 0001 to 2 2359 28 10-10 International Winter Contest, SSB
www.ten-ten.org

2 Feb 0000 to 2 Feb 0400 3.5-14 North American Sprint, CW
ncjweb.com

8 Feb 0000 to 9 Feb 2359 3.5-28 CQ WW RTTY WPX Contest Dig
www.cqwprrty.com

9 Feb 1400 to 12 Feb 0800 1.8-144 Classic Exchange, Phone
www.classicexchange.org

10 Feb 1300 to 14 Feb 2359 All (no WARC) ARRL School Club Round-up CW Ph arrl.org/school-club-roundup

15 Feb 0000 to 16 Feb 2359 1.8-28 ARRL International DX Contest, CW
www.arrl.org/arrl-dx

21 Feb 2200 to 23 Feb 2200 1.8 CQ 160-Meter Contest, SSB
cq160.com/rules.htm

29 Feb 1800 to 1 Mar 0559 3.5-28 North American QSO Party, RTTY
www.ncjweb.com

If you're not into contests, there's always DX to chase! February has good stuff scattered over the globe. Some of the better DX operations coming up in February:

Jan 28 to Feb 07 **Gambia C5XW**

Feb 01 to Feb 16 **Ghana 9G5GS**

Feb 04 to Feb 18 **Tanzania 5H**

Feb 05 to Feb 08 **Nauru C21**

Feb 05 to Feb 17 **Palestine E44CC**

Feb 07 to Feb 12 **Azerbaijan 4K6**

Feb 14 to Feb 21 **Micronesia V63DX**

Feb 16 to Mar 27 **Senegal 6W7**

Feb 19 to Feb 24 **Maldives 8Q7HK**

Feb 20 to Feb 25 **Norfolk I VK9NR**

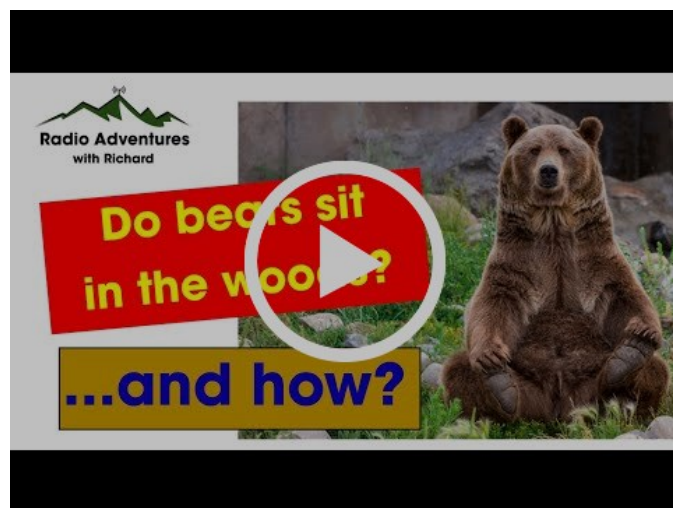
Feb 20 to Mar 05 **South Orkney Is VP8PJ**

There's more too! Check out: <https://www.ng3k.com/Misc/adxo.html>

NAME THAT RIG (from page 6)

The answer is: they're all VFOs (variable frequency oscillators). Back in the day Novices were limited to crystal control transmitters, and most aimed at the Novice market had no VFO built in. Often a QSO happened on two widely different frequencies simply because of the crystals each operator had. Yup, you had to tune around to see if anyone was calling you. Life was tough in the day. In order: The Eico 720, the Lafayette HA90, the Heathkit HG10B, the Viking 122, the Knight V44, and the WRL Globe 755. Vintage 1950-60s. All these VFOs were made to excite the transmitters of the day, and each put out around a watt or so. Many were kits, and stability was partly controlled by the skill (or not) of the assembler. Consequently, there were quite a few less than stable signals on the bands. But we got through it, no DSP, or high selectivity rigs, and few rock solid signals like today.

W7SSB's FUN STUFF (continued from page 7....)



https://www.youtube.com/watch?v=huD5nKfffx8&utm_source=SOTABeams+Newsletter&utm_campaign=9e043f2494-SB-Jan-2020&utm_medium=email&utm_term=0_4298909b23-9e043f2494-526132393&ct=t%28SB-Jan-2020%29&mc_cid=9e043f2494&mc_eid=b989ea9e3f



https://www.youtube.com/watch?v=ak9mJOcyhbs&feature=youtu.be&utm_source=SOTABeams+Newsletter&utm_campaign=9e043f2494-SB-Jan-2020&utm_medium=email&utm_term=0_4298909b23-9e043f2494-526132393&ct=t%28SB-Jan-2020%29&mc_cid=9e043f2494&mc_eid=b989ea9e3f

Sotabeams dealer : [DX Engineering](#)

If you like this newsletter, you can subscribe. Visit:
www.sotabeams.co.uk/

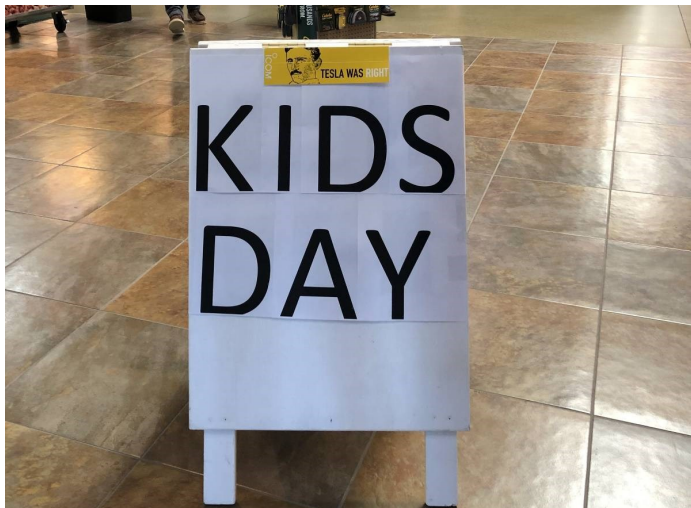
73, Don W7SSB

YOUTH INVOLVEMENT

ARRL KIDS DAY at Cabela's on Saturday, January 5, 2020.

Thanks to Greg KG7D, Wes, KG7QXE and the whole SNARS Youth Involvement team for an amazing Kids Day event. Unfortunately, Barry K6ST who coordinated the event was sick under the weather and could not attend. Please see the article and pictures (below) from Greg KG7D on the recent activities at Kids Day at Cabela's on 1/5/2020.

Do we ever really stop being a kid?



Kid's day is for the kid in all of us. It's about having fun with the entire family. It's the older kids (us kids at heart) introducing and sharing our toys with the younger kids. Most of us were introduced to electrical and mechanical things at a very young age. That introduction may have sparked a curiosity that's still there. For some of us it led to a life long career. With these events were hoping to spark that interest in the young, and rekindle that spark in the young at heart.



The majority of the kids started with the code station. Kids love the code station! Everyone loves a secret code that mom and dad don't know. Diana - KJ7GVY helped everyone say "Hi" dit dit dit dit space dit dit. Then spell out their name, one letter at a time.

After doing code, they moved to one of our two radio stations. Where we explain why we use phonetics, and have them write their names down phonetically. With assistance from one of our experienced and licensed operators, they're able to talk to someone in a faraway land. *When you're 5 years old, Sparks is a faraway land!*



Hunter – KJ7IRS (just out of view), Gary – KJ7HMY, and McKenzie – KJ7IRT, help kids in making contacts with someone on the local repeater system.



Hunter – KJ7IRS, Gary – KJ7HMY, and McKenzie – KJ7IRT, make sure everyone gets their turn.

(Continued on page 10....)

YOUTH INVOLVEMENT

(Continued from page 9....)



Bill – K7WHH also helped kids get on the air.

You should see the kid's smiles when someone comes back with their call, and "Sure I'd love to talk to (insert child's name here)!" We start by having them say their names, and then spell it out phonetically. Right there at the station we have a list of exchange questions prepared for the kids ask. What is your favorite color? How long have you been a ham? What's your location? Or if they're lucky enough to make contact with another kid, what school do you go to? Or how old are you?



In today's world, kids use texting to communicate. So Wes – KG7QXE had a station setup and receiving RTTY text. Showing the kids that we text too. With RTTY Round up on the air, there was plenty of RTTY to Copy!

(Editor's note: Greg's very comprehensive article continues next month)

ADDITIONAL PHOTOS FROM KID'S DAY BY CHUCK FARNHAM WD6CHC



Editor's note: There will be more photos from Chuck next month as well!!)

SHORT TAKES

Ham Radio Night, First Wednesday, February 5, 2019, 1800 hrs at the REOC. Discussion on station grounding and some DMR programming.

Contest Calendar DX contests for February. The CQ World Wide RTTY WPX contest is February 8-9 and the rules are at <https://www.cqwprrty.com/rules.htm> Lots of DX will be available for RTTY users.

February 15-16 is the ARRL International DX CW contest. This is one of the biggest contests of the year for the Brass Pounders. Full rules can be had at <http://www.arrl.org/arrl-dx>

DX There are some interesting ones on the air at this time. El Salvador will be activated by a group of Germans as HU1DL on 160-17 meters using CW, SSB, RTTY, and FT8 from Jan 30 to Feb 13. From Feb 4 until Feb 25, V31CO will be operating on Caye Caulker, Belize. There are lots of other stations and more can be found at <https://www.ng3k.com/Misc/adxo.html>

ARRL In the near future QEX and NCJ will be available to all ARRL members on the web as part of their membership at no additional cost. There will be a charge for the printed versions.

Field Day June 26-28, 2020 SNARS took FIRST PLACE last year in Nevada by almost double the score of the nearest other Nevada station. We hope to do this again this year! We are trying to get the main group area down by the boat launch again at Washoe Lake State Park as there are a lot of trees and a bigger shade area. We are going to continue our tradition of feeding the troops who come out and work, and we will have a big Tri-Tip dinner on Saturday Night for everyone. One major problem, Jon Fox, who has been our head chef for the last few years, will be at his other home in DU land (Philippines)... The Kitchen Crew is really the most important part of the weekend as they will keep the operators fat and happy, and that will translate into lots of contacts! We need volunteers for this crew—If you are interested, contact W6US at nvjims@gmail.com.

ARES NEWS

ANNUAL COMMUNICATIONS EVENTS CALENDAR 2020:

Carson Valley, Tahoe, Reno, Plumas Co.

NOTE: Plumas ARC always have a need for operators. Go over to some beautiful country and help out the Plumas Amateur Radio Club

EVENT 2019	DATE	DATE END	SPONSOR/ORGANIZER	COORDINATOR	CONTACT
Silver State 50/50 race	5/16/20		Silver State Striders	Steve KS6A	ks6a@sbcglobal.net
Indian Valley Century Bicycle Ride??	5/24/20		Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Pony Express Re-Ride	6/3/2020	6/13/20	SIERA	Jeff Cauhape K7BCV	j_cauhape@yahoo.com
Lost and Found Gravel Grinder SBTS	6/6/20		Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
America's Most Beautiful Bike Ride	6/7/20		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWW	wa6eww@juno.com
Truckee Dirt Fondo Bike Ride	6/13/20		John Prouty; Bike Monkey	Bob Miller WA6MTY	wa6mtty@gbis.com
Alta Alpina Challenge	6/27/20		Alta Alpina Cycling Club	Jennie Hamiter, KE7YBA	jenniehamiter@mac.com
Death Ride	7/11/20		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWW	wa6eww@juno.com
Tahoe Rim Trail	7/17/20	7/19/19	Tahoe Mountain Milers	Bob Miller WA6MTY	wa6mtty@gbis.com
Running With the Bears	8/15/20		Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Vegas to Reno Off Road Race	8/12/20	8/15/19	Best in the Desert Racing Assn	Keith KC7HTK	kc7htkeith@hotmail.com
Tour De Tahoe	9/13/20		Tahoe Amateur Radio Assn	Paul Gulbro, WA6EWW	wa6eww@juno.com
Reno Air-Races	9/16/20	9/20/19	WC-ARES	Bob Miller WA6MTY	wa6mtty@gbis.com
Edible Pedal 100	9/20/20		Sunrise Rotary Club	Bob Miller WA6MTY	wa6mtty@gbis.com
Bear Growl Gravel Grinder	9/12/20		Plumas ARC	KJ6CUG	dltrotter@sbcglobal.net
Stetina Paydirt	9/19/20		John Prouty; Bike Monkey	Bob Miller WA6MTY	wa6mtty@gbis.com
Grinduro SBTS	TBD		Plumas ARC	Larry Trotter KI6YUK	dltrotter@sbcglobal.net
Nevada Day Parade	10/31/20		NV AREA NW DEC	John Abrott KD7NHC	jabrott77@gmail.com , cell 775 790-1739.
Turkey Trot	11/26/20		WC-ARES	Bob Miller WA6MTY	wa6mtty@gbis.com

This frequency chart is what we use from the National Weather Service when NWS activates SKYWARN. With our severe thunderstorms these are the frequencies we will use. There is a SKYWARN Class scheduled for Friday at NVCON.



WCARES



COUNTY	MEMORY	REPEATER	PL	NOTES:
Alpine, Ca	13	147.330	123.0	Leviathan, Minden, Carson, Alpine Co
	4	146.940	123.0	Snow Valley Pk Covers S&E Reno, Washoe, Carson, Minden, and Whole Lake Tahoe
	10	147.240	100.0	Heavenly Valley Heavenly Vly, Most Lake, into Sacramento
	11	147.270	123.0	McClellan Pk Covers Carson, Douglas, Dayton, Silver Springs
	2	146.865	123.0	Leviathan Covers Alpine and Douglas
Churchill	7	147.150	123.0	Mt Rose Covers S Reno, Washoe, Carson, Douglas, S&W Lake Tahoe
	9	147.210	100.0	Peavine Pk
	6	147.030	123.0	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk Covers Reno, Spanish Springs, Churchill Co, Gerlach, Black Rock, Susanville (scratchy)
	5	146.970	100.0	Eagle Covers Silver Springs and Fallon
Carson City	1	146.610	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	4	146.940	123	Snow Valley Pk Covers S&E Reno, Washoe, Carson, Minden, and Whole Lake Tahoe
	14	147.390	123.0	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	11	147.270	123.0	McClellan Pk Covers Carson, Douglas, Dayton, Silver Springs
Douglas	13	147.330	123.0	Leviathan Pk, Minden, Carson, Alpine Co
	11	147.270	123.0	McClellan Pk Covers Carson, Douglas, Dayton, Silver Springs
	10	147.240	123.0	Heavenly Valley Pk Heavenly Vly, Most Lake, into Sacramento
	2	146.865	123.0	Leviathan Covers Alpine and Douglas
Eldorado, Ca	10	147.240	123.0	Heavenly Valley Pk Heavenly Vly, Most Lake, into Sacramento
Lassen, Ca	8	147.180	107.2	Covers Reno, Spanish Springs, Churchill Co, Gerlach, Black Rock, Susanville (scratchy)
Lyon	5	146.970	100.0	Lahontan (Silver Springs, Fallon)
	1	146.610	123.0	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	7	147.150	123.0	Mt Rose (Silver Springs, Yerington, Smith Valley)
Mineral				
Modoc, Ca				
Mono, Ca				
Nevada, Ca	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas, S&W Lake Tahoe
Pershing	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk

Pershing	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk
Placer, Ca	10	147.240	123	Heavenly Valley Pk Heavenly Vly, Most Lake, into Sacramento
Plumas, Ca	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas,S&W Lake Tahoe
	9	147.210	100	Peavine Pk
Sierra, Ca	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas,S&W Lake Tahoe
	13	147.330	123	Leviathan Pk, Minden, Carson, Alpine Co
Storey	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas, S&W Lake Tahoe
	9	147.210	100	Peavine Pk
	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk
	1	146.610	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	14	147.390	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
		146.850	123	Storey County ARES
Washoe	7	147.150	123	Mt Rose Covers S Reno, Washoe, Carson, Douglas,S&W Lake Tahoe
	9	147.210	100	Peavine Pk
	6	147.030	123	Virginia Pk Mt Rose System
	8	147.180	107.2	Virginia Pk
	1	146.610	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
	14	147.390	123	Ophir Pk (Dayton, Stagecoach, Silver Springs, Fallon, Lovelock)
EchoLink and IRLP	3	146.895	100	KA7ZAU Peavine Pk (Node #357948?#73 to clear #15 to activate #73 when done))
	12	147.300	123.0	Grand Sierra Resort Node #7873)
DMR		TALK GRPS		SNARS and/or NEVADA

Yellow highlighted are linked repeaters

The next Ham Test Review is Saturday Feb 15th anyone attending MUST register at www.snars.org/oneday.

I have ARRL Technician books for \$25 each. If you purchase from AMAZON or EBAY, make sure it is the 4th edition, as they only stock up when they run out NOT when the new edition comes out.

Here is the schedule for 2020 that coincides with SNARS testing.

Feb 15 Jun 20 Aug 15 Dec 12

Bob WA6MTY Emergency Coordinator Washoe County ARES
775 843-5952 wa6mty@gbis.com

TECH COMMITTEE UPDATE



SNARS REPEATER STATUS - February 2020

MT ROSE - The 147.150 repeater and links to Lobdelle and Peavine appear to be functioning normally. It has been noted that there is noise on the repeater, this is likely caused by other broken antennas or loose hardware at the site. Efforts will be made in the summer to get these issues cleaned up. The 145.050 ROSE packet node was recently configured to allow digipeating at the request of KJ6NKR to help support a Sunday weekly packet net since the TAH0E Heavenly node is offline.

OPHIR - 146.610, 147.390 and 443.075 repeaters on Ophir appear to be functioning normally. The 145.050 RNO packet node does appear to need some attention; there are frequent retries and it only routes to the Mt. Rose packet node. This will get looked at in the spring when the site is drivable.

MT DAVIDSON - Mt. Davidson still needs some repairs and modifications to prevent rodent infestation! Davidson is home to our 444.825 DMR repeater, 927.0875 repeater, and 224.500 repeater. It also hosts the NARRI 444.625 and 145.175 DSTAR repeaters.

VIRGINIA PEAK - The UHF link transmitter to Toulon Peak appears to be down in power level; this may be effecting the signal level out to the 146.925 repeater on Toulon. The link still appears to receive ok, so the link transmitter finals may be gone. This will get looked at in the spring. The 147.030 repeater and link to Peavine appears to be functioning ok through the winter.

PEAVINE - The 127.210 repeater and links to Mt. Rose and Virginia Peak appear to be functioning normally. The tempo-

rary antenna for the 444.125 repeater, that was provided by Jim, W7US, is still pending installation this spring. This will give the analog repeater system another UHF input to the system in the Reno/Sparks area.

TOULON PEAK - The 146.925 repeater and UHF link on Toulon Peak may have difficulty hearing traffic coming from Virginia Peak due to its low power output of the link transmitter. Signals coming from the Reno area may sound noisy through Toulon until the link can be repaired. The status of the link to and from Winnemucca Mtn is unknown at this time.

WINNEMUCCA MTN - Status of the 147.670 repeater on Winnemucca Mountain unknown at this time. The link antenna at Winnemucca Mountain still needs to be relocated off of the tower it's currently on, and moved over to the telephone pole that holds the repeater antenna. The status of the link to the Elko system is also unknown at this time; last known, the Elko Group was working on some problems they were experiencing with some of their links.

LOBDELLE PEAK - 444.875 south of Yerington appears to be functioning normally. The 145.050 YRGTN packet node had a new TNC installed, but was not functioning correctly and had been removed to reconfigure. It is ready to be reinstalled and should help give coverage again to that region on 145.050.

GSR - The 147.300 repeater on Grand Sierra is functioning as a standalone repeater. The IRLP node is still pending installation.

DMR SITES - The tech committee is unaware of any issues with any of the DMR repeaters. I would encourage those who have DMR capability to participate in the nets that occur on the SNARS talk group. Check SNARS.org for more information on these nets.

If there are any questions regarding any of the sites, feel free to contact me at w7ded@sbcglobal.net.

220 MHz Repeaters - SNARS has the opportunity to take donation of some 220 MHz repeaters that could be put to good use. Stay tuned for more information on this as things develop.

73, Past Sheehan W7DED



Board of Directors Meeting Minutes

January 8, 2020 - Approx 6:15 PM (following the Organizational Meeting)

Chin Chin, 222 Los Altos Pkwy, Sparks

1. Call to order and roll call at 6:05 PM

Board of Directors:

Anthony Marcin, W7XM PT

Barry Bettman, K6ST PT

John Miller, N7JDM P

Bill Jones, AE7OX P

John Byerly, N7ROJ P

Wes Vick, KG7QXE P

Jim Shepherd, W6US P

Doug Edmondo, W7DBE P

No Guests in attendance

2. Approval of Minutes - Discussion/Action

The December minutes were approved with one change from Tech Meeting to Ham Radio Night

3. Approval of Agenda - Discussion/Action

The agenda was approved

4. Reports

A. President's Report

1. The Carson club is working on a Fusion repeater for lower Peavine. Kudos to Jim for getting the "Good" site
2. for field day 2020. Also, kudos to Kim for knocking it out of the park on membership support.

B. Secretary Report

Nothing to report

C. Membership Coordinator

388 members plus 2 since the January breakfast meeting

D. Treasurer

1. Financial Report: Checking: \$6,649 Savings: \$9,386 Paypal: \$811 Conv: \$4,295 Self-Ins: \$7,038
2. Moved \$1,200 from PayPal to operating (Checking), moved \$180 from operating to Self Insurance, Moved \$90 from Operating to Savings.
3. Board reviewed bank statements and the 2020 budget

E. Technical Team

Still need John and Pat to finish repeater work at GSR

F. Control Operators / Trustee

No report this month

G. Events

1. NVCON 2020 Discussion - None
2. NVQSO – Jim is working on plaques
3. Spring Ham Swap – Lots of requests to hold a swp in the spring. Cabellas is amenable. Will need 4 to 5 volunteers to run. Discussion tabled for date.
4. Field Day 2020 – Confirmed we have the main area. Jim et al have started planning.

H. Education & Youth Activities

1. Kid's Day Report – great turn out at Cabellas, we are welcome back any time. Going to see if the Cabellas folks can attend the February breakfast meeting so we can present the plaque Barry has procured. Also discussed sending an update from last summer's article to ARRL for QST Barry working with UNR and lots of positive feedback on having the youth control operators for the noon net. Barry is also working on the youth page.
2. Ham Radio Night at the REOC – discussed Grounding and RF exposure as topics

I. Noon Net - Noon Net Manager

Maybe do a net once per month on Saturday for youth.

5. Old Business

Breakfast Meeting Location - Discussion/Possible Action. Coordinating time to look over the Best Western and Don Sherman will look at Tamarack.

6. New Business

Redesign of the Members Only Website. Tony is working on an update to revam the site.

7. Public Comments

During this time members and board of directors may speak on any topic regardless if item was agendized. Noted that we should add a Pic Nic to new business for next month.

8. Adjournment - Action

- A. Next Meeting: February 12, 2020. Location Chin Chin
- B. Call For Adjournment. Meeting adjourned.